

## **CURRICULUM VITAE**

**NAME:** DR. PRASHANTO CHATTERJEE

**FATHER'S NAME:** MR. SANJIB CHATTERJEE

**SEX:** MALE

**DATE OF BIRTH:** 03.06.1978

**DESIGNATION:** ASSOCIATE PROFESSOR

DEPARTMENT OF MATHEMATICS

ST. STEPHEN'S COLLEGE

UNIVERSITY OF DELHI

DELHI-110007

INDIA.

### **TEACHING EXPERIENCE:**

- (i) Teaching in St. Stephen's College, University of Delhi since July' 2002
- (ii) Taught a course on Biostatistics to M.Sc (Genetics) Ist Semester students at University of Delhi South Campus in July-November, 2015.
- (iii) Taught a course on Probability and Statistics to M.Sc(Computer Science- I Semester) students in the Monsoon semester (July-November) of 2016, 2017 and 2018 at South Asian University, New Delhi.
- (iv) Taught a course on Applied Stochastic Processes to M.Sc (Computer Science-III Semester) students in the Monsoon semester of 2018 at South Asian University, New Delhi.

### **SUBJECTS TAUGHT (AT UNDERGRADUATE LEVEL):**

Calculus, Linear Algebra, Linear Programming and Theory of Games, Probability and Statistics, Graph Theory, Discrete Mathematics, Mechanics, Coordinate Geometry.

### **EDUCATIONAL QUALIFICATIONS:**

- (i) Passed Senior Secondary School Examination in 1996 (CBSE Board)
- (ii) Completed B.A.(Hons) Mathematics in 1999 from Sri Venkateswara College,  
University of Delhi, New Delhi, India.

(iii) Completed M.A. (Mathematics) in 2001 from St. Stephen's College, University of

Delhi, Delhi, India.

(iv) Qualified UGC-CSIR NET Examination in 2001.

(v) Completed M.Phil (Mathematics) in 2004 from University of Delhi, Delhi.

(vi) Awarded Ph.D. degree from University of Delhi in May, 2015.

**AREA OF SPECIALIZATION: OPTIMIZATION**

**TITLE OF THE THESIS: STABILITY AND WELL-POSEDNESS IN VECTOR  
OPTIMIZATION**

**NAME OF THE SUPERVISOR: Prof. C.S. Lalitha**

Department of Mathematics

University of Delhi South Campus  
New Delhi.

**RESEARCH PUBLICATIONS:**

1. C.S. Lalitha and Prashanto Chatterjee, *Stability for properly quasiconvex vector optimization problem*, **Journal of Optimization Theory and Applications** **155**, 492-506 (2012)
2. C.S. Lalitha and Prashanto Chatterjee, *Stability and scalarization of weak efficient, efficient and Henig proper efficient solution sets using generalized quasiconvexities*, **Journal of Optimization Theory and Applications** **155**, 942-961 (2012)
3. C.S. Lalitha and Prashanto Chatterjee, *Well-posedness and stability in vector optimization problem using Henig proper efficiency*, **Optimization** **62**, 155-165 (2013)
4. C.S. Lalitha and Prashanto Chatterjee, *Levitin-Polyak well-posedness for constrained quasiconvex vector optimization problems*, **Journal of Global Optimization** **59**, 191-205 (2014)
5. Prashanto Chatterjee and C.S. Lalitha, *Scalarization of Levitin-Polyak well-posedness in vector optimization using weak efficiency*, **Optimization Letters** **9**, 329-343 (2015)
6. C.S. Lalitha and Prashanto Chatterjee, *Stability and scalarization in vector optimization*

*using improvement sets*, **Journal of Optimization Theory and Applications** 166, 825-843 (2015)

### **SUPERVISION OF PROJECTS:**

1. Supervised students for projects under the Nagpaul Fellowship Programme on topics such as Ant Colony Optimization and Network Simplex Algorithm in 2014-15.
2. Supervised two students in an academic project on “Integer Programming and its applications” as part of the Fourth Year undergraduate project in Delhi University in 2025-26.

### **PARTICIPATION/PRESENTATIONS IN TRAINING PROGRAMMES/CONFERENCES/SEMINARS:**

1. Participated in the training programme on Non-linear Analysis and Applications, Aligarh Muslim University, November 16-19, 2011.
2. Presented the paper entitled *Stability for Properly Quasiconvex Vector Optimization Problem*, in International Conference on Analysis and its Applications, Aligarh Muslim University, November 19-21, 2011.
3. Presented the paper entitled *Stability and Scalarization in Vector Optimization using Generalized Quasiconvexities* in National Seminar for Research Scholars, Department of Mathematics, University of Delhi, March 24-25, 2012.
4. Participated in the training programme on Optimization and its applications, University of Delhi, November 26-December 01, 2012.
5. Presented the paper entitled *Levitin-Polyak well-posedness and certain characterizations in vector optimization*, in International Conference on Optimization Modelling and Applications, University of Delhi, November 29-December 01, 2012.
6. Participated in the conference on The Legacy of Srinivasa Ramanujan, University of Delhi, December 17-22, 2012.
7. Presented the paper entitled *A study of well-posedness and stability in vector optimization problem using Henig proper efficiency* in International Symposium of Applied Optimization and Game-Theoretic Models, Indian Statistical Institute, New Delhi, January 9-11, 2013.
8. Presented the paper entitled *A study of scalarization of Levitin-Polyak well-posedness in vector optimization using weak efficiency* in National Seminar for Research Scholars, Department of Mathematics, University of Delhi, September 20-21, 2013.

9. Presented the paper entitled *On scalarization of Levitin-Polyak well-posedness in vector optimization* in CIMPA research school, University of Delhi, November 25-December 6, 2013.
10. Participated in the 33<sup>rd</sup> Annual conference of the Ramanujan Mathematical Society in Department of Mathematics, University of Delhi, June 1-3, 2018.

#### **ORIENTATION/REFRESHER COURSES**

1. Participated in a 3 week refresher course in Mathematical Sciences held at CPDHE, University of Delhi from 27.9.2006 to 18.10.2006.
2. Participated in a 4 week orientation course held at CPDHE, University of Delhi from 3.5.2007 to 30.5.2007.
3. Participated in a 3 week refresher course in Mathematical Sciences held at CPDHE, University of Delhi from 26.11.2015 to 16.12.2015.
4. Participated in a 3 week refresher course in Mathematical Sciences held at CPDHE, University of Delhi from 30.8.2016 to 20.9.2016.
5. Participated in a 1 week course on Ethics in Higher Education held at CPDHE, University of Delhi from 1.3.2017 to 7.3.2017.

#### **POSITIONS HELD**

Staff-Advisor to Bengali Literary Society, Mathematics Society and Quiz club in St. Stephen's College in the past. Currently appointed as BSc(Prog) Coordinator since 2019.



